

**I CLAIM:**

1. A connector apparatus for interconnecting a guide rail of an elevator system with a structural component disposed within a hoistway within which the elevator travels, said connector apparatus comprising:

- (a) a bracket having a first generally planar leg and a second leg extending generally perpendicularly to said first leg;
- (b) interconnection means for adjustably interconnecting said bracket with the structural component;
- (c) rail connector means supported by said bracket for connecting the guide rail of the elevator system with said bracket.

2. The connector apparatus as defined in claim 1 in which said interconnection means comprises a pair of spaced-apart bolts and a part of spaced-apart jack bolts.

3. The connector apparatus as defined in claim 1 in which the structural component comprises a beam and in which said interconnection means comprises:

- (a) a first angle bracket connected to said bracket;
- (b) a second angle bracket connected to said bracket, said second angle bracket being spaced apart from said first angle bracket;

## I CLAIM:

1. A connector apparatus for interconnecting a guide rail of an elevator system with a structural component disposed within a hoistway within which the elevator travels, said connector apparatus comprising:

(a) a bracket having a first generally planar leg and a second leg extending generally perpendicularly to said first leg;

(b) interconnection means for adjustably interconnecting said bracket with the structural component;

(c) rail connector means supported by said bracket for connecting the guide rail of the elevator system with said bracket.

2. The connector apparatus as defined in claim 1 in which said interconnection means comprises a pair of spaced-apart bolts and a part of spaced-apart jack bolts.

3. The connector apparatus as defined in claim 1 in which the structural component comprises a beam and in which said interconnection means comprises:

(a) a first angle bracket connected to said bracket;

(b) a second angle bracket connected to said bracket, said second angle bracket being spaced apart from said first angle bracket;

(c) a first tie bolt interconnecting said first and second angle brackets; and

(d) a capture plate spaced apart from said first and second angle brackets and connected thereto by second and third tie bolts.

4. The connector apparatus as defined in claim 1 in which said interconnection means comprises:

(a) a generally "U"-shaped member connected to said bracket; and

(b) a pair of spaced apart jack bolts connected to said generally "U"-shaped member.

5. The connector apparatus as defined in claim 1 in which said structural component comprises a column disposed within said hoistway and in which said interconnection means comprises a base connected to said bracket, said base having a pair of spaced-apart, apertured sidewalls disposed in engagement with said column.

6. The connector apparatus as defined in claim 1 in which said rail connector means comprises a pair of connector clips adjustably connected to said second leg of said bracket, each said connector clip having an engagement leg for engaging the guide rail.

7. The connector apparatus as defined in claim 1 further including a second bracket adjustably connected to said bracket.

8. The connector apparatus as defined in claim 7 in which said second leg of said bracket is provided with:

(a) a plurality of first through holes disposed along a first line extending at an angle with respect to said first generally planar leg; and

(b) a plurality of second through holes disposed along a second line extending at an angle with respect to said first generally planar leg.

9. The connector apparatus as defined in claim 8 in which said second bracket is provided with:

(a) a plurality of third through holes disposed along a third line extending at an angle with respect to said second line; and

(b) a plurality of fourth through holes disposed along a fourth line extending at an angle with respect to said first line, a selected first through hole being indexable with a selected fourth through hole and a selected second through hole being indexable with a selected third through hole.

10. A connector apparatus for interconnecting a guide rail of an elevator system with a structural component disposed within a hoistway within which the elevator travels, said connector apparatus comprising:

(a) a first bracket having a first generally planar leg and a second leg extending generally perpendicularly to said first leg, said second leg having;

(i) a plurality of first through holes disposed along a first line extending at an angle with respect to said first generally planar leg;

(ii) a plurality of second through holes disposed along a second line extending at an angle with respect to said first generally planar leg;

(b) interconnection means for interconnecting said first bracket with the structural component;

(c) a second bracket connected to said first bracket, said second bracket having a first generally planar leg and a second generally planar leg extending generally perpendicular to said first generally planar leg of said second bracket and being slidably movable relative to said second leg of said first bracket between first and second positions, said second leg of said second bracket having:

(i) a plurality of third through holes disposed along a third line extending at an angle with respect to said second line;

(ii) a plurality of fourth through holes disposed along a fourth line extending at an angle with respect to said first line a selected first through hole being indexable with a selected fourth through hole and a selected second through hole being indexable with a selected third through hole when said second leg of said second bracket is moved from said first position to said second position; and

(d) rail connector means for connecting the guide rail of the elevator system with said second bracket.

11. The connector apparatus as defined in claim 10 in which said interconnection means comprises a pair of spaced-apart bolts and a part of spaced-apart jackbolts.

12. The connector apparatus as defined in claim 10 in which the structural component comprises a beam and in which said interconnection means comprises:

(a) a first angle bracket connected to said bracket;

(b) a second angle bracket connected to said bracket, said second angle bracket being spaced apart from said first angle bracket;

(c) a first tie bolt interconnecting said first and second angle brackets; and

(d) a capture plate spaced apart from said first and second angle brackets and connected thereto by second and third tie bolts.

13. The connector apparatus as defined in claim 10 in which said rail connector means comprises a pair of connector clips adjustably connected to said second leg of said bracket, each said connector clip having an engagement leg for engaging the guide rail.

14. A connector apparatus for interconnecting a pair of guide rails of an elevator system with a beam disposed within a hoistway within which the elevator travels, said connector apparatus comprising:

(a) a generally U-shaped planar bight portion and first and second legs extending generally perpendicularly to said generally planar bight portion;

(b) interconnection means for adjustably interconnecting said generally U-shaped bracket with the beam; and

(c) rail connector means supported by said first and second legs of said generally U-shaped bracket for connecting the guide rails of the elevator system with said generally U-shaped bracket.

15. The connector apparatus as defined in claim 14 in which said interconnection means comprises:

- (a) first, second, third and fourth angle brackets connected to said planar bight portion of said generally U-shaped bracket;
- (b) a first tie bolt interconnecting said first and second brackets;
- (c) a second tie bolt interconnecting said third and fourth brackets;
- (d) a first capture plate disposed in engagement with the beam;
- (e) a third tie bolt interconnecting said first angle bracket with said first capture plate;
- (f) a fourth tie bolt interconnecting said third angle bracket with said first capture plate;
- (g) a second capture plate disposed in engagement with the beam;
- (h) a fifth tie bolt interconnecting said second angle bracket with said second capture plate; and
- (i) a sixth tie bolt interconnecting said fourth angle bracket with said second capture plate.



16. The apparatus as defined in claim 14 in which said interconnection means comprises a base connected to said generally U-shaped bracket.

17. The apparatus as defined in claim 14 in which said interconnection means comprises:

- (a) a first capture plate disposed in engagement with the beam;
- (b) a second capture plate disposed in engagement with the beam; and
- (c) connector means for interconnecting said first and second capture plates with said generally U-shaped bracket.

18. The apparatus as defined in claim 17 further including a pair of U-shaped members carried by said connector means intermediate said generally U-shaped bracket and said first and second capture plates.

19. The apparatus as defined in claim 14 in which said rail connector means comprises a pair of connector clips adjustably connected to said second leg of said bracket, each said connector clip having an engagement leg for engaging the guide rail.

20. The apparatus as defined in claim 19 further including adjustment means for adjusting the position of said connector clips relative to said generally U-shaped bracket.